

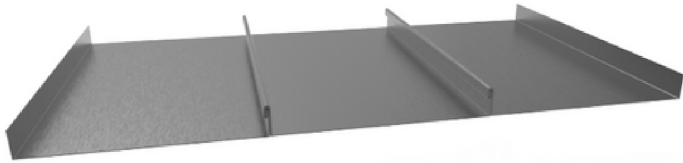


STANDING SEAM

Specification Guide

STANDING SEAM

INDUSTRY
METALS



Standing Seam is one of the most immediately identifiable types of cladding and delivers an eye-catching, dramatic aesthetic for modern commercial, industrial and residential projects

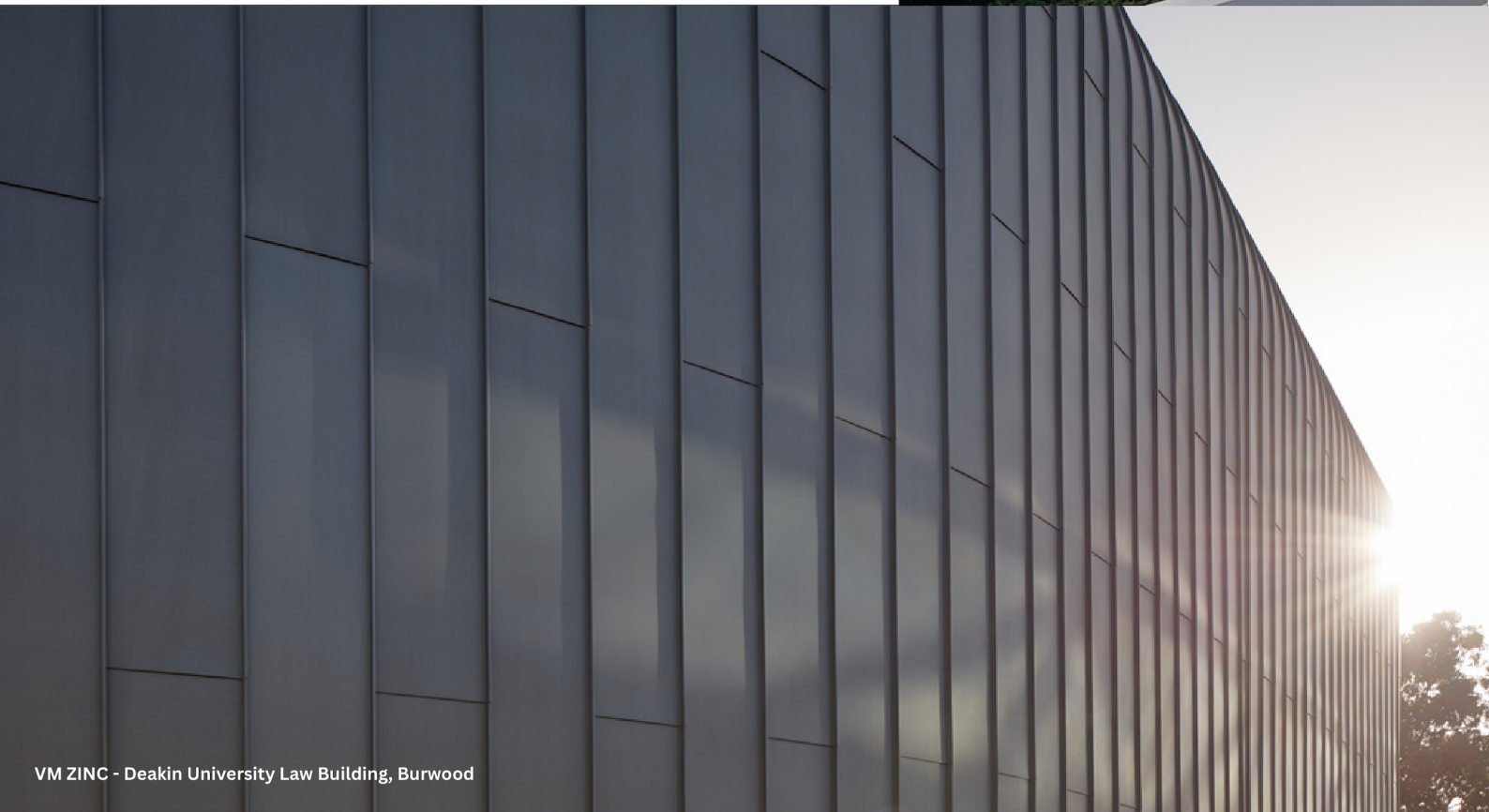
Functionality, speed, and simplicity of assembly are combined with the unique appearance of the product that meets the best standards of aesthetics.

Available in a range of pan widths and lengths of up to 8m, Standing Seam Panel Cladding will meet your building code requirements.

The longitudinal ribbed aspect combined with a broad range of finishing options including Colorbond®, Copper, Aluminium, Zinc and Weathering Steel will deliver a striking and unique style for your project.



VM ZINC- Avenue, Brighton



VM ZINC - Deakin University Law Building, Burwood

VMZINC

Colorbond

UniCote

EURAMAX

RHEINZINK

elZinc

STANDING SEAM

Technical Information

PROFILE					
Rib Height (H)	25mm or 38mm				
Maximum Length	500mm - 8000mm Restrictions may apply.				
Pan Width (P) 25mm	180mm - 530mm				
Pan Width (P) 38mm	180mm - 505mm				
Standard Panels	Rib Height	25mm	25mm	38mm	38mm
	Pan Width	230mm	330mm	205mm	305mm
Panel Type					
Panel Tolerance	Plus or Minus 3mm				
MATERIAL	Material Thickness	Weight m2	Material Warranty	Flammability	
Colorbond Range	0.55mm	4.90 kg	15 years	Non-Combustible	
Aluminium	0.70mm	2.23 kg	15 - 40 years	Non-Combustible	
Zinc	0.70mm	6.42 kg	3 years	Non-Combustible	
Zinc (1mm)	1.00mm	9.17 kg	30 years	Non-Combustible	
Copper	0.70mm	5.50 kg	30 years	Non-Combustible	
Weathering Steel	0.70mm	7.20 kg	10 years	Non-Combustible	
Laying Direction	Vertical, Horizontal & Diagonal				
Sub-Structure Details	Roofing	<ul style="list-style-type: none"> 19 mm CD grade structural plywood AS/NZS 2269 Timber battens 90 x 45 mm / 70 x 45 mm Direct fix to 1.2 mm metal batten (15 / 25 / 35 mm) (Fixed clips only) Recommend Proctorwrap roofing grade fully breathable/ water proofed membrane between Standing Seam and substrate to create separation barrier to avoid condensation and stainless clip dissimilar metal contact Minimum roof pitch 3 degrees (38 mm recommended) 25 mm rib used on roof pitch under 15 degree will require double lock seam. 			
	Wall Cladding	<ul style="list-style-type: none"> 15 mm CD grade structural plywood AS/NZS 2269 Timber battens 90 x 45 mm / 70 x 45 mm Direct fix to 1.2 mm metal batten (15 / 25 / 35 mm) Use recommended Proctorwrap commercial wall grade fully breathable/ water proofed Membrane between Standing Seam and substrate to create separation barrier to avoid condensation and stainless clip dissimilar metal contact 			
Support Spacing	<ul style="list-style-type: none"> Fixed clips installed every 350 mm centres (perimeter) Sliding clips installed every 450 mm centres (general area) Minimum of 25 mm fastener embedment in CD Grade Structural Plywood Fixed clips only to be used in roofing and walling application on approved metal battens with a minimum 3 thread embedment 				
Fixing Method	<ul style="list-style-type: none"> Standing Seam fixed stainless steel clip with 2 fasteners per clip Standing Seam sliding stainless steel clip with 3 fasteners per clip 				
Fasteners	<ul style="list-style-type: none"> Fixed clip: 10 mm x 16 mm flat head class 3 / Sliding clip: 10 mm x 25 mm flat head class 3 				

Note
 Dimensions are subject to manufacturing tolerances
 Specifications are general and should be used as a guide only
 Please check with local building codes for specification requirements
 Installation of product is the sole responsibility of the specified site installer to ensure they meet Australian Building Code and site specific requirements
 Individual material warranties warranted by supplier.

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COLORBOND STEEL - Gadsden, West Melbourne



COLORBOND STEEL - Latrobe Valley GovHub, Morwell

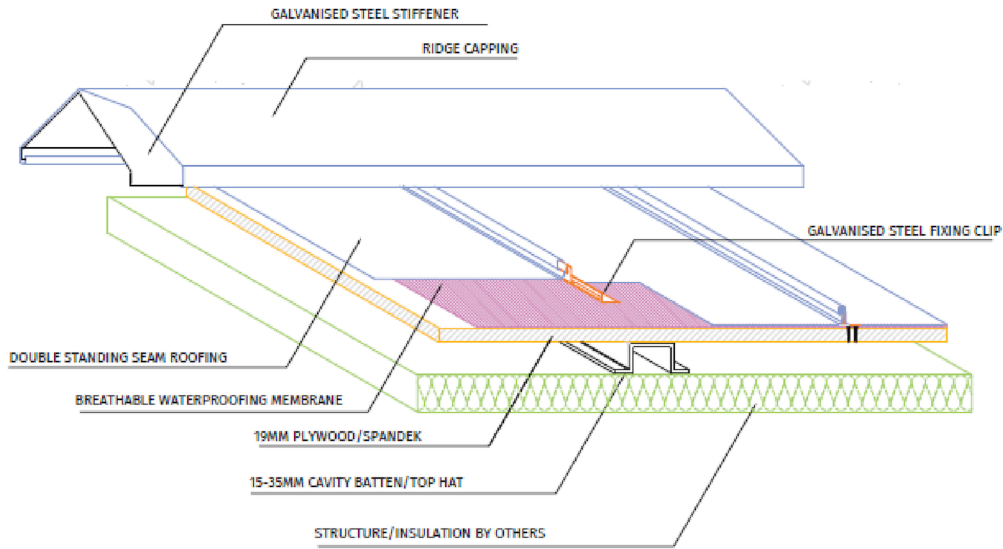
COLORBOND STEEL - BCC Yuulong Campus



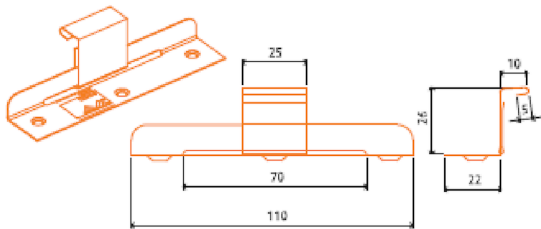
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Panel Connection & Clips

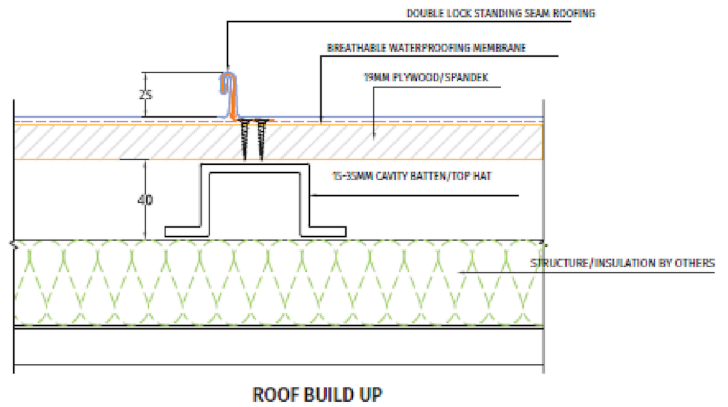
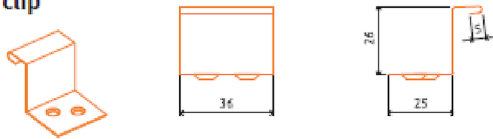
Sliding clip



Sliding clip

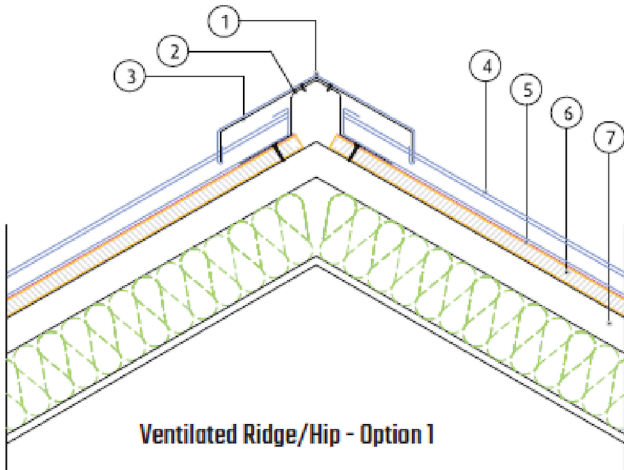


Fixed clip



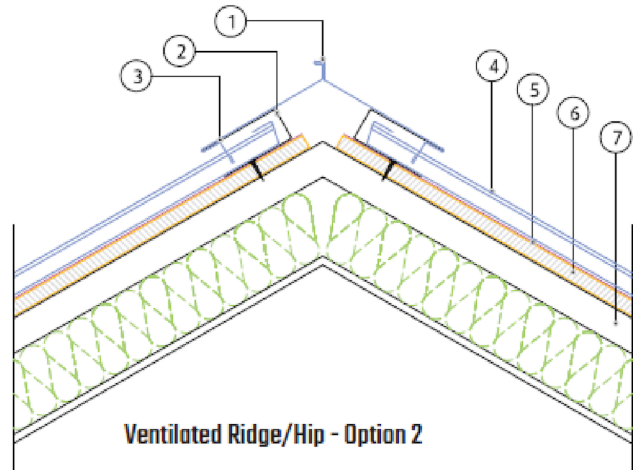
STANDING SEAM

Technical Drawings



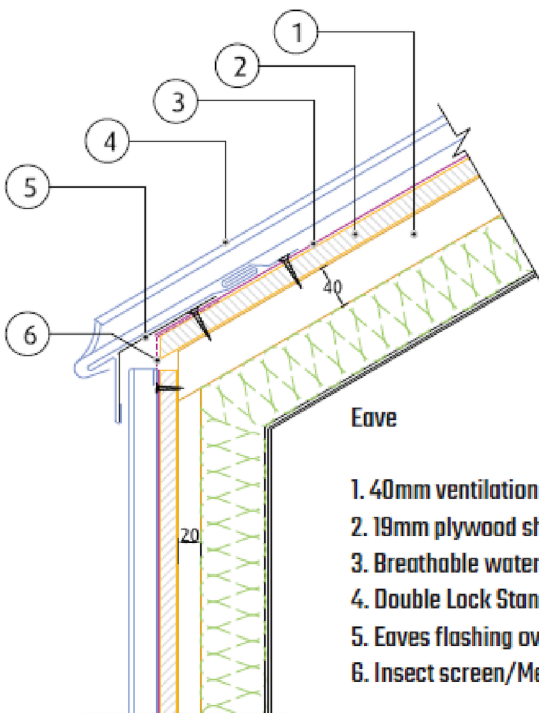
Ventilated Ridge/Hip - Option 1

1. Ridge capping over galvanised steel stiffener
2. Galvanised steel support bracket
3. Perforated flashing/mesh
4. Double Lock Standing Seam roofing
5. Breathable waterproofing membrane
6. 19mm plywood sheeting
7. 40mm ventilation cavity



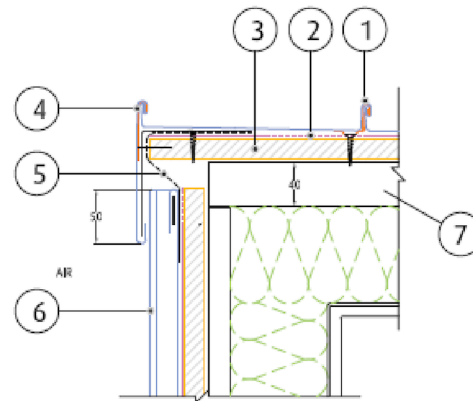
Ventilated Ridge/Hip - Option 2

1. Ridge capping over galvanised steel stiffener
2. Galvanised steel support bracket
3. Perforated flashing/mesh
4. Double Lock Standing Seam roofing
5. Breathable waterproofing membrane
6. 19mm plywood sheeting
7. 40mm ventilation cavity



Eave

1. 40mm ventilation cavity
2. 19mm plywood sheeting
3. Breathable waterproofing membrane
4. Double Lock Standing Seam roofing
5. Eaves flashing over galvanised steel stiffener
6. Insect screen/Mesh

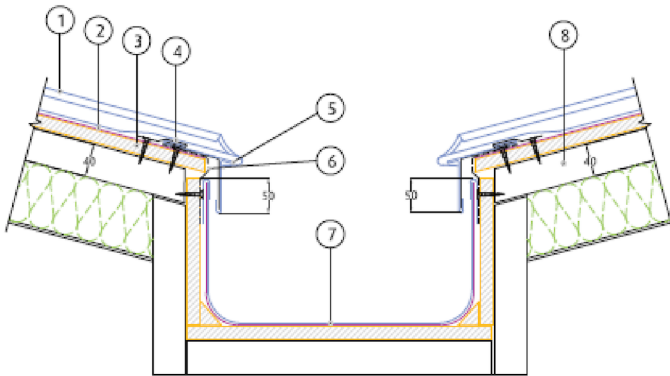


Edge

1. Double Lock Standing Seam roofing
2. Breathable waterproofing membrane
3. 19mm plywood sheeting
4. Edge flashing
5. Insect screen/Mesh
6. Single Lock Standing Seam cladding
7. Vertical wall/structure

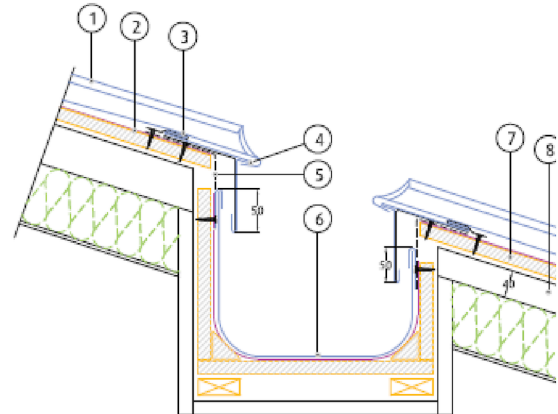
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Technical Drawings



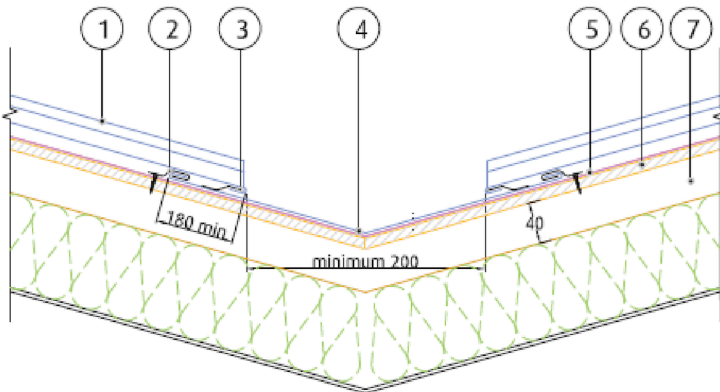
2 Slope box gutter

1. Double Lock Standing Seam roofing
2. Breathable waterproofing membrane
3. 19mm plywood sheeting
4. Fixing clip
5. Eave flashing
6. Insect screen
7. Box gutter
8. 40mm ventilation cavity



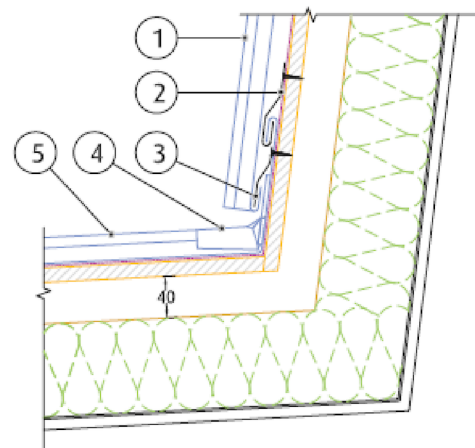
Slope box gutter

1. Double Lock Standing Seam roofing
2. Breathable waterproofing membrane
3. Fixing clip
4. Eave flashing
5. Insect screen
6. Box gutter
7. 19mm plywood sheeting
8. 40mm ventilation cavity



Valley

1. Double Lock Standing Seam roofing
2. Fixing clip
3. Clip
4. Valley flashing
5. Breathable waterproofing membrane
6. 19mm plywood sheeting
7. 40mm ventilation cavity

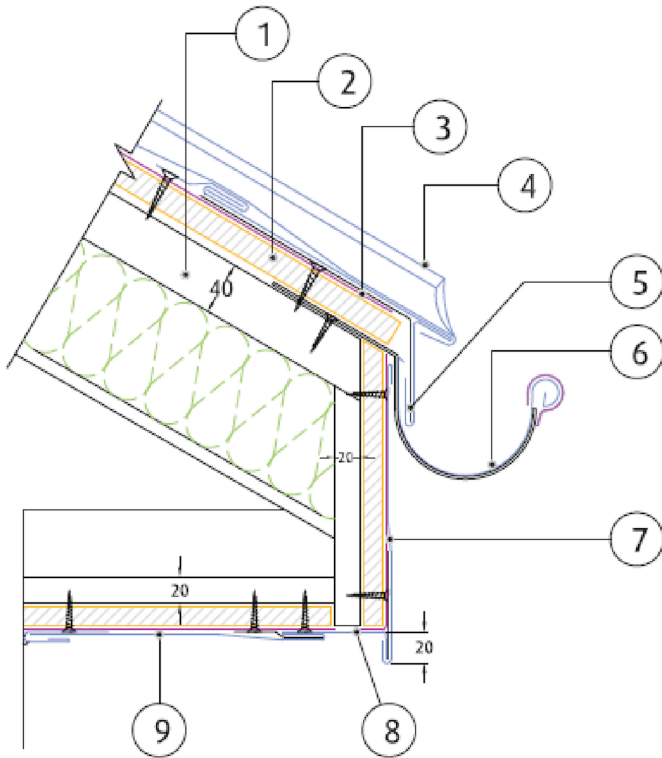


Wall Junction

1. Single Lock Standing Seam roofing
2. Fixing clip
3. Securing clip
4. Saddle piece
5. Double Lock Standing Seam roofing

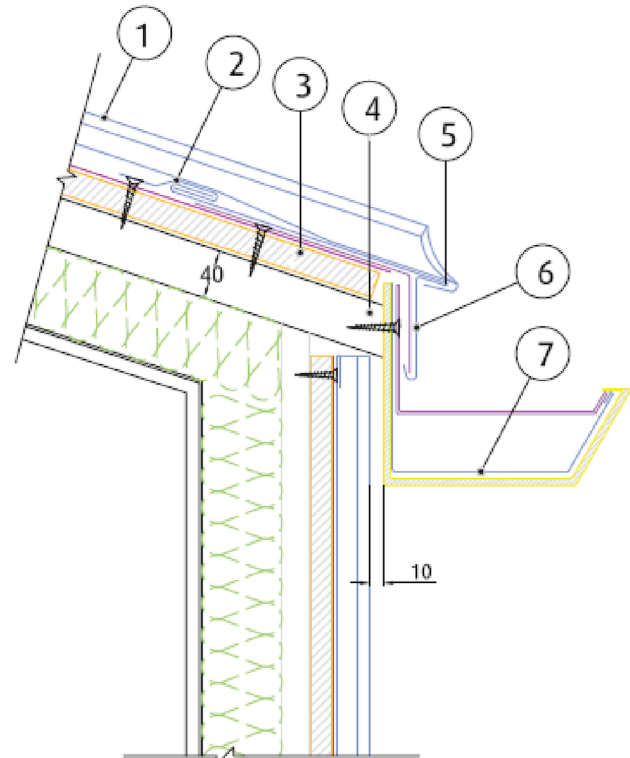
STANDING SEAM

Technical Drawings



Eave Gutter

1. 40mm ventilation cavity
2. 19mm plywood sheathing
3. Breathable waterproofing membrane
4. Double Lock Standing Seam roofing
5. Eaves flashing over galvanised steel stiffener
6. Eaves gutter and bracket
7. Fascia
8. Perforated flashing strip/mesh
9. Soffit



Eave Gutter

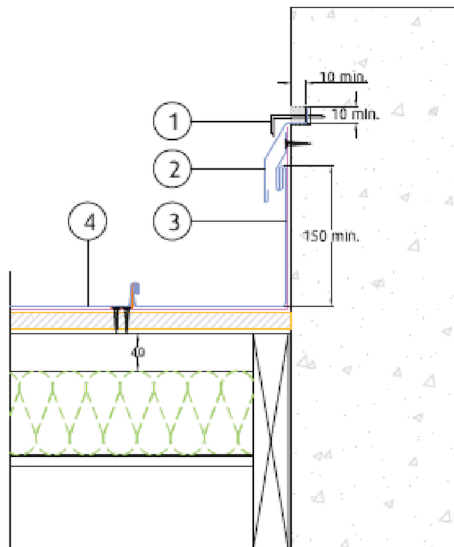
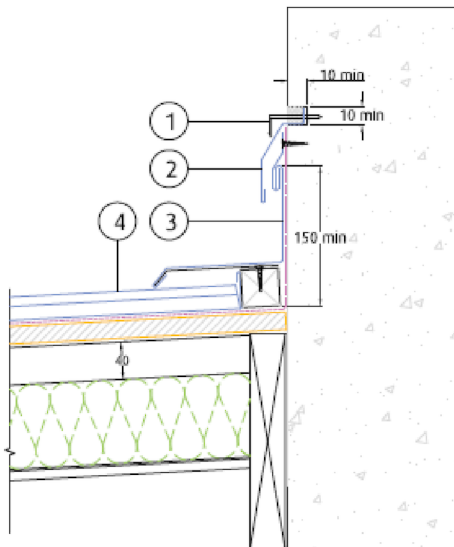
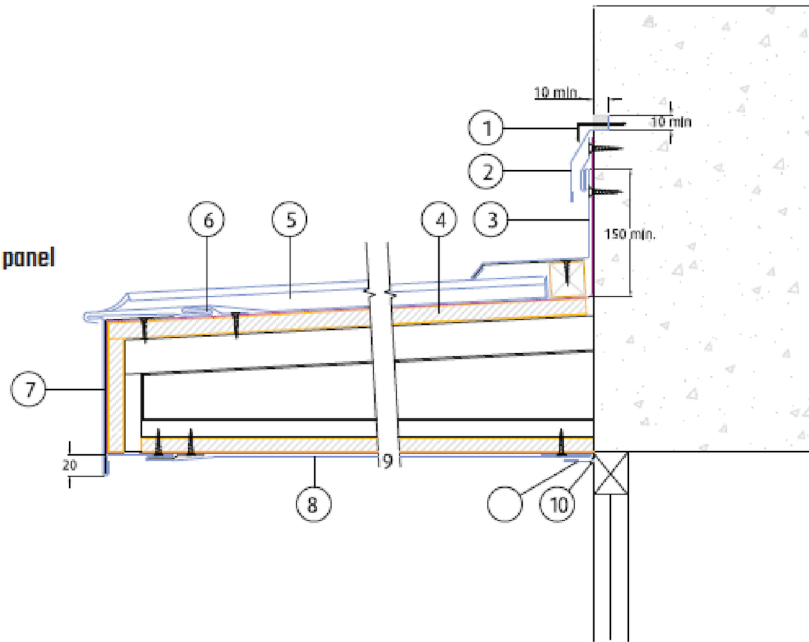
1. 40mm ventilation cavity
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Technical Drawings

Awning

1. Metal wedge
2. Apron
3. Wall flashing
4. Substrate
5. Double Lock Standing Seam panel
6. Securing clip
7. Fascia
8. Soffit
9. Securing clip
10. Neutral Sealant



Wall abutment

1. Metal wedge
2. Apron
3. Wall flashing
4. Double Lock Standing Seam panel

Wall abutment

1. Metal wedge
2. Apron
3. Wall flashing
4. Double Lock Standing Seam panel

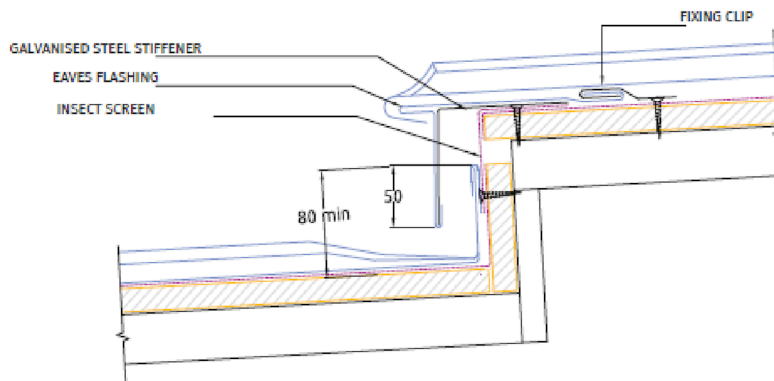
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Transversal Junctions / Expansions

When the length of the roof slope exceeds the maximum recommended length of 13 metres, it is necessary to join the sheets using transverse junctions. Several techniques exist depending on the pitch of the roof.

These include:

Step (or drip) for pitches of 3° (5%) or more the step height will be a minimum of 8 cm for standing seam.

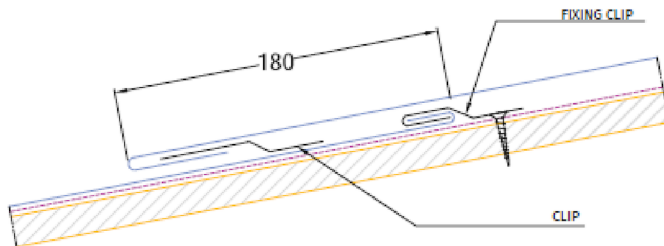


Double welt for pitches of 11° (20%) or more.

The double welt can be used for pitches of 11° and above. The minimum length of the overlap is 200mm. The dimensions can vary due to the projected expansion and/or contraction based on the conditions at the time of installation, with a securing clip at the top. Depending on climatic conditions such as wind and rain, the overlap should be increased. The fixed clip should be soldered onto the zinc sheet, not fastened to it.

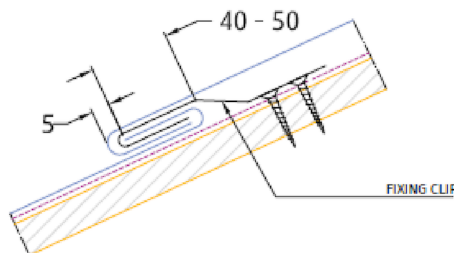
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Transversal Junctions / Expansions



Single welt for pitches $> 25^\circ$ (47%) or more.

The single welt or single lock cross-welt with an overlap of 51mm. The dimensions can vary due to the projected expansion and/or contraction based on the conditions at the time of installation. This can be adopted for pitches greater than 25° (42%) in the standing seam technique.



Single welt for pitches $> 11^\circ$ (47%) or more.

The single welt or single lock cross-welt with an overlap of 51 mm. The dimensions can vary due to the projected expansion and/or contraction based on the conditions at the time of installation. This can be adopted for pitches greater than 25° (42%) in the standing seam technique.

CASE STUDY

Deakin University Law Building



DEAKIN UNIVERSITY LAW SCHOOL

Meterage	3400m2
Completion	July 2020
Architect	Woods Bagot
Builder	Watpac
Installer	Industry Cladding & Roofing

Boasting one of the most futuristic architectural exterior designs in the country, the \$110 million Deakin Law School building at the university's Burwood campus in Melbourne features a tapered curved façade.

When combined with the seamless transition formed between three individual building 'pods' stacked on top of one another, the curved façade creates a uniquely bold, sleek finish.

Industry Metals supplied the 7,000 panels required to clad the curvaceous façade with the manufacture of the panels taking place at our Bacchus Marsh factory back in 2020, many of which had to be individually hand formed due to their unique shape.

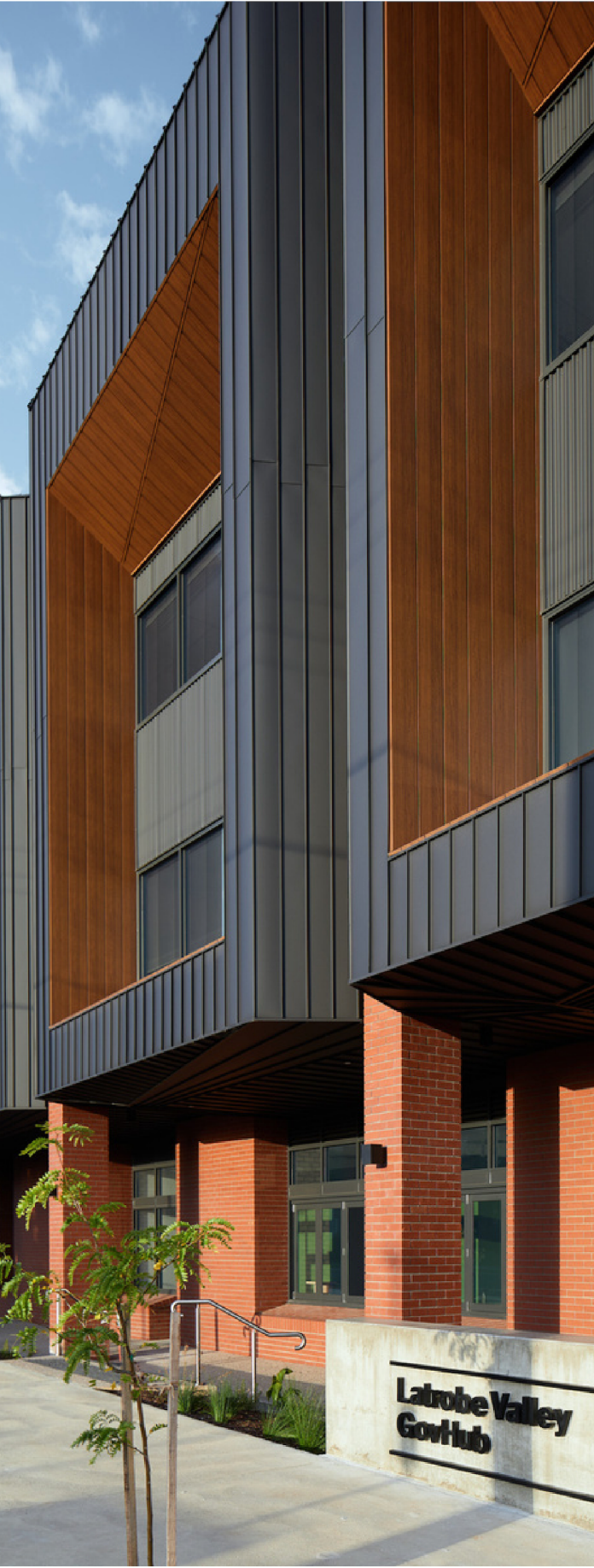
Each panel not only had to curve, but taper. Imagine peeling an orange: every segment curved around, as well as up and down. This was one of the first projects in Australia, to feature a three-dimensional curving system that runs throughout the complete façade package. In addition to superior levels of craftsmanship, material specification was essential to the successful delivery of the project.

This is why fifty tonne of Zinc flat coil was turned into curved standing seam to achieve the desired look, making this one of the largest orders of VM Zinc in Australia.



CASE STUDY

Latrobe Valley GovHub



LATROBE VALLEY GOV HUB

Meterage	6000m2
Completion	November 2020
Architect	WMK Architecture
Builder	Castlerock Property
Installer	Industry Cladding & Roofing

Featuring the world's largest light gauge steelclad façade modules, the \$30 million Latrobe Valley GovHub is a three-storey regional employment hub. It has been designed to support economic growth, create jobs and drive the industries of the future.

Industry Metals was engaged to complete all of the steel-clad façade works by the client and builder, Castlerock Property, who has signed a 15 year lease on the property with the Victorian Government. Together, Industry Cladding & Roofing and Dynamic Steel Frame engineered, fabricated and installed a façade framework that features 18 light gauge steel modules, craned into position and hooked onto the building.

Industry Metals supplied over 4,000m2 of COLORBOND® standing seam cladding and roofing and UniCote® LUX Ashwood interlocking panels for the GovHub's external walls, and soffits; as well as over 2,000m2 of KLIP-LOK® roofing, box gutters and ridge capping.

This innovative steel-clad building features innovative design elements that have been engineered to ensure the ultimate in construction efficiency, environmental sustainability and buildability.



CASE STUDY

Ballarat Clarendon College- Yuulong Campus

BALLARAT CLARENDON COLLEGE - YUULONG CAMPUS

Meterage	3500m2
Completion	November 2022
Architect	Williams Boag
Builder	Spence Construction
Installer	Industry Cladding & Roofing

The Ballarat Clarendon College, Yuulong Campus is now complete. This education campus consisted of 7 buildings made up of student accommodation, communal areas and staff quarters.

Each building was clad in Standing Seam Colorbond® Metallic Astro & Celestian. Over 3500m2 of standing seam was used on this project and fabricated by our manufacturing division, Industry Metals, in Victoria.

This project saw Cladding installers living onsite for 6 months along the Great Ocean Road facing challenging weather conditions throughout the project but are grateful for their commitment to delivering a superior finish like always.

This was a new relationship between IndustryMetals and Spence Construction that came about after they faced challenges getting a Cladding Contractor to take on the project due to its geographical location.

We are thrilled to have delivered this project within budget and timeframes even under some extreme working conditions.





CONTACT US TODAY

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